

| Ref # | Hits  | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|---|------------------|---------|------------------|
| L1    | 0     | (variable adj1 symbol adj1 rate) and (bandwidth near control\$3) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/09/26 14:34 |
| L2    | 48    | (variable adj1 symbol adj1 rate)                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/09/26 14:06 |
| L3    | 11342 | (variable adj1 rate)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/09/26 14:06 |
| L4    | 82    | 3 and (bandwidth near control\$3)                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/09/26 14:13 |
| L5    | 857   | ((band adj1 pass) or bandpass) and (bandwidth near control\$3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/09/26 14:13 |
| L6    | 454   | 5 and oscillator\$1  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/09/26 14:14 |
| L7    | 28    | 6 and nrz  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/09/26 14:15 |
| L8    | 69    | 6 and nyquist  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/09/26 14:29 |
| L9    | 15086 | video with voice with data                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/09/26 14:30 |
| L10   | 275   | (video with voice with data) with detect\$3                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/09/26 14:31 |

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| L11 | 74     | 10 and filter\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 14:31 |
| L12 | 379    | (vari\$7 adj1 bandwidth) with<br>control\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 14:35 |
| L13 | 275    | 12 and filter\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 14:35 |
| L14 | 18     | ("3633112"   "3651407"  <br>"3894285"   "4041496"   "4359780"<br>  "4419765"   "4484354"  <br>"5058138"   "5109525"   "5146187"<br>  "5303408"   "5303409"  <br>"5412346"   "5564090"   "5598430"<br>  "6047170"   "6133784"  <br>"6259904").PN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | OFF | 2005/09/26 14:39 |
| S1  | 2      | "20020090037"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 06:28 |
| S2  | 107    | (variable adj1 bandwidth)near3<br>transmi\$7   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 11:15 |
| S3  | 34     | S2 and filter\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 06:29 |
| S4  | 6      | ("4267605"   "4858225"  <br>"4939789"   "5097221"   "5136267"<br>  "5303404").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | OFF | 2005/09/26 06:48 |
| S5  | 683512 | (demand\$3 near3adj1 bandwidth)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 06:52 |
| S6  | 5694   | (demand\$3 near3 bandwidth)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 06:52 |

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| S7  | 844  | (demand\$3 near3 bandwidth)and<br>(control\$3 near3 bandwidth)                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 06:54 |
| S8  | 324  | S7 and filter\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 06:54 |
| S9  | 22   | S8 and (control\$3 near4<br>oscillator\$1)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 08:40 |
| S10 | 2005 | (control\$3 near4 bandwidth) and<br>(bandpass or (band adj1 pass) adj1<br>filter\$3) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 08:43 |
| S11 | 0    | S10 and voice and viedio   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 08:42 |
| S12 | 369  | S10 and voice and video  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 08:42 |
| S13 | 1250 | (control\$3 near2 bandwidth) and<br>(bandpass or (band adj1 pass) adj1<br>filter\$3) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 08:43 |
| S14 | 795  | (control\$3 near1 bandwidth) and<br>(bandpass or (band adj1 pass) adj1<br>filter\$3) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 08:44 |
| S15 | 177  | S14 and (change\$3 or vari\$5) near1<br>bandwidth                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 09:40 |
| S16 | 83   | (control\$3 with vari\$5 with<br>bandwidth) and Nyquist                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 10:03 |

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| S17 | 662  | (vari\$5 with bandwidth) and Nyquist                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 10:08 |
| S18 | 421  | (control\$3 with frequency) and S17                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 10:02 |
| S19 | 413  | S18 and filter\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 10:03 |
| S20 | 77   | (control\$3 near2 bandwidth) and S19                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 10:04 |
| S21 | 26   | (vari\$5 near1 bandwidth) and (Nyquist near1 filter\$3)                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 11:01 |
| S22 | 146  | (variable adj1 bandwidth)near3 control\$3                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 11:29 |
| S23 | 27   | (variable adj1 bandwidth) and (nyquist adj1 frequency)                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 11:33 |
| S24 | 25   | (variable adj1 bandwidth) and nrz  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 11:35 |
| S25 | 20   | ((variable adj1 frequency) with control\$3) and (bandwidth with nyquist) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 11:40 |
| S26 | 1171 | ((variable adj1 frequency) with control\$3) and (bandwidth)              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 11:40 |

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| S27 | 158 | ((variable adj1 frequency) with control\$3) and (bandwidth with chang\$3) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/09/26 11:51 |
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